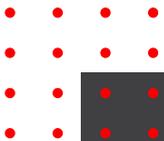




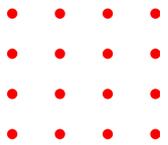
Buyers Guide: 3D Aviation Measurement





> Introduction To Aviation Measurement

Accurate aviation measurement is essential for smooth airport, airline, and maintenance operations, ensuring compliance, safety, and optimised billing. Manual measurement methods are slow and prone to human error. GPC's automated 3D aviation dimensioning software enables rapid, precise measurements across the aviation supply chain—eliminating inconsistencies and supporting regulatory compliance.



The Basics: Why Accurate Aviation Measurement Matters

- Mistakes in baggage and cargo dimensioning can result in incorrect charges, compliance breaches, and safety risks for airlines, airports, and MRO operators.
- Automation delivers reliable, standardised data for quick decision-making and operational efficiency.
- Instant measurement supports proper billing, safety compliance (IATA standards), and improved turnaround times.

Business Benefits of Automated Aviation Measurement

- Accurate billing: Prevents revenue loss from under- or over-charging for oversized baggage and air cargo, ensuring strict IATA compliance.
- Faster operations: Speeds up check-in, cargo loading, and aircraft turnaround by automating measurement at each stage.
- Improved safety: Supports correct weight and balance calculations using precise volume data for cargo and pallets.
- MRO efficiency: Enables digital measurement of spare parts and tools, supporting quicker repairs and accurate inspection.
- Reduced manual errors: Eliminates time-consuming tape measures and human inconsistencies, ensuring robust data accuracy.

> What Is 3D Aviation Measurement Software?

This technology utilises 3D cameras and advanced algorithms to capture an item's length, width, height, and volume in seconds. GPC's aviation system measures baggage, air cargo, aircraft parts, and maintenance tools with high precision—integrating easily into check-in, cargo, and MRO workflows. Systems are available in portable and fixed formats for flexible deployment across busy aviation environments.

Features	Why It Matters
High-Precision 3D Scanning	Accurate measurement of baggage, cargo, and parts.
Portable & Fixed Systems	Adaptable for check-in desks, conveyors, and terminals.
IATA-Compliant	Ensures adherence to airline baggage standards.
Multi-Item Scanning	Rapidly process bags or shipments in one go.
Durability	Reliable in hangars, warehouses, busy airports.
Seamless Integration	Connects to airline, cargo, and MRO management systems.
High-Precision 3D Scanning	Accurate measurement of baggage, cargo, and parts.
Portable & Fixed Systems	Adaptable for check-in desks, conveyors, and terminals.



> **How GPC 3D Aviation Measure Software Stands Out**

- Patented, award-winning 3D measurement technology designed for aviation environments.
- Flexible deployment options—handheld, ramp-mounted, or fixed system installations.
- Proven real-world reliability under low-light, high-traffic, and demanding operational conditions.
- Seamless integration with current and future airline, airport, and MRO management software.

Steps to Implementing Automated Aviation Measurement

1. Define operational requirement: Identify types of items and aviation environments (baggage, cargo, MRO) requiring measurement.
2. Assess system compatibility: Confirm integration with airport, airline, and ground handling systems via API or direct connection.
3. Choose deployment scale: Decide whether to begin with a single device or plan fleet-wide roll-out across multiple sites.
4. Budget planning: Consider contract periods for hardware and software, and opt for preferred suppliers or integrators for reliability.

Take the Next Step

Automating aviation measurement is a clear advancement for operational accuracy, compliance, and efficiency. Contact GPC to arrange a consultation and demonstration—discover how our aviation 3D measurement solutions can transform your airport, airline, or MRO facility.



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